SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-LIN28B antibody

Catalog Number: SL6446R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	LIN28B
Immunogen:	KLH conjugated synthetic peptide derived from human Lin-28B: 65-160/250
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Chicken,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	27kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	The protein encoded by this gene belongs to the lin-28 family, which is characterized by the presence of a cold-shock domain and a pair of CCHC zinc finger domains. This gene is highly expressed in testis, fetal liver, placenta, and in primary human tumors and cancer cell lines. It is negatively regulated by microRNAs that target sites in the 3' UTR, and overexpression of this gene in primary tumors is linked to the repression of let-7 family of microRNAs and derepression of let-7 targets, which facilitates cellular transformation. [provided by RefSeq, Jun 2012] **Function:** Acts as a suppressor of microRNA (miRNA) biogenesis by specifically binding the precursor let-7 (pre-let-7), a miRNA precursor. Acts by binding pre-let-7 and recruiting ZCCHC11/TUT4 uridylyltransferase, leading to the terminal uridylation of pre-let-7. Uridylated pre-let-7 miRNAs

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

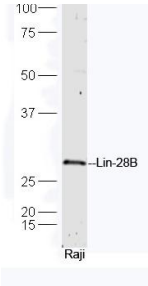
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	fail to be processed by Dicer and undergo degradation. Specifically recognizes the 5'-GGAG-3' motif in the terminal loop of pre-let-7. Also recognizes and binds non pre-let-7 pre-miRNAs that contain the 5'-GGAG-3' motif in the terminal loop, leading to their terminal uridylation and subsequent degradation. Mediates MYC-mediated let-7 repression. Isoform 1, when overexpressed, stimulates growth of the breast adenocarcinoma cell line MCF-7. Isoform 2 has no effect on cell growth. **Subunit:** Interacts with ZCCHC11/TUT4. **Subcellular Location:** Cytoplasm. Nucleus. Predominantly cytoplasmic at G1 phase, accumulates in the nucleus in S and G2 phases. The frequency of nuclear localization in S and in G2 phases is 60% and 30%, respectively. **Tissue Specificity:** High expression in testis, fetal liver, placenta and in hepatocellular carcinoma (HCC). Isoform 1 is only detected in moderately and poorly differentiated HCC tissues and placenta (at protein level). Isoform 2 is detected in fetal liver, non-tumor liver tissues, as well as well-differentiated tumor tissues (at protein level). **Similarity:** Belongs to the lin-28 family. Contains 2 CCHC-type zinc fingers. Contains 1 CSD (cold-shock) domain. **Database links:** **Entrez Gene:** 389421 Human **Entrez Gene:** 380669 Mouse Omim: 611044 Human **SwissProt:** Q6ZN17 Human **SwissProt:** Q45KJ6 Mouse **Unigene:** 23616 Human **Unigene:** 440328 Mouse

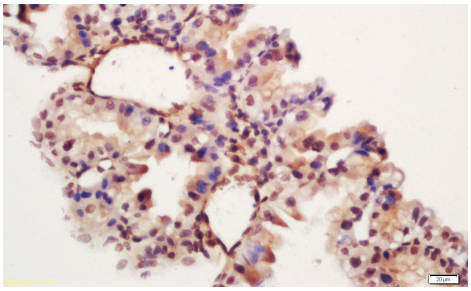
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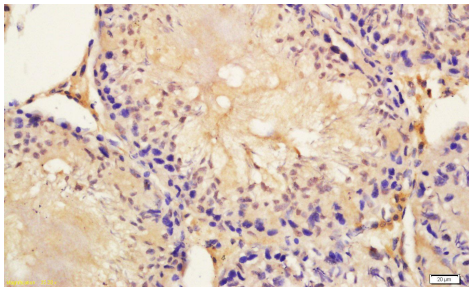
[VALIDATION IMAGES]



Sample: Raji Cell (Human) Lysate at 40 ug
Primary: Anti-Lin-28B (SL6446R) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL0295G-HRP) at 1/5000 dilution
Predicted band size: 27 kD
Observed band size: 27 kD



Tissue/cell: rat placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Lin-28B Polyclonal Antibody, Unconjugated(SL6446R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Lin-28B Polyclonal Antibody, Unconjugated(SL6446R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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